CLAIMS

What is claimed is:

5   1.   A method for embellishing an architectural structure, the method comprising the steps

of:

receiving information indicative of a dimension of the architectural structure;

receiving information indicative of a selected embellishment of the architectural

structure along the dimension;

10   selecting a mold to construct the selected embellishment;

associating the mold with dimension information that includes a minimum dimension

and a maximum dimension of the selected mold; and

using the dimension of the architectural structure and the dimensional information of

the selected mold to calculate how many segments of the selected

15   embellishment are required, and a dimension of each of the segments of the

selected embellishment.

2.   The method as recited in claim 1, wherein the selected embellishment is cast stone.

3.   The method as recited in claim 1, wherein the using the dimension of the architectural

structure and dimensional information of the selected mold to calculate a dimension of the

5   selected embellishment comprises:

accessing a library of molds to obtain the dimensional information of the selected

mold.

4.   The method as recited in claim 3, wherein the library of molds comprises dimensional

10   information corresponding to a plurality of molds.

5.   The method as recited in claim 4, wherein a first portion of the molds within the

library of molds have a fixed dimension, and wherein a remainder of the molds have a

variable dimension.

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6.   The method as recited in claim 1, wherein the dimension of the architectural structure

is received from a library of architectural structures.

7.   The method as recited in claim 6, wherein the library of architectural structures

20   includes a manufacturer name and a model number.

8.   The method as recited in claim 1, wherein the dimension of the architectural structure

is received via a manual input.

9.   The method as recited in claim 1, wherein the architectural structure is selected from

the group consisting of: a window, a column, and a fireplace.

10.   The method as recited in claim 9, wherein in the event the architectural structure is a

window, the selected embellishment includes a trim style, a keystone style, and/or a sill style.

11.   The method as recited in claim 9, wherein in the event the architectural structure is a

column, the selected embellishment includes a shaft style, a base style, and/or a capital style.

12.   The method as recited in claim 1, further comprising:

receiving information indicative of a selected characteristic of the selected embellishment.

13.   The method as recited in claim 12, wherein the selected characteristic of the selected

embellishment includes a color, a texture, a material, shape, and/or a cross sectional pattern.

14.   The method as recited in claim 1, further comprising:

generating a list of materials specifying the selected mold and the calculated

dimension of the selected embellishment.

15.   The method as recited in claim 1, further comprising:

generating a shop drawing illustrating the architectural structure and the selected

embellishment.

16.   A method for embellishing an architectural structure, comprising:

receiving information indicative of a dimension of the architectural structure;

receiving information indicative of a first selected embellishment of the architectural

structure along the dimension;

5   receiving information indicative of a second selected embellishment of the

architectural structure along the dimension;

selecting a first mold to construct the first selected embellishment;

selecting a second mold to construct the second selected embellishment; and

using the dimension of the architectural structure, dimensional information of the first

10   mold, and dimensional information of the second mold to calculate a

dimension of the second selected embellishment.

17.   The method as recited in claim 16, wherein the first mold has a fixed dimension and the second mold has a variable dimension.

18.   The method as recited in claim 17, wherein the dimensional information of the second

5   mold comprises a minimum dimension and a maximum dimension of the second mold.

19.   The method as recited in claim 18, wherein the using the dimension of the architectural structure, dimensional information of the first selected mold, and dimensional information of the second selected mold to calculate a dimension of the first selected

10   embellishment comprises:

accessing a library of molds to obtain the dimensional information of the first mold;

subtracting the fixed dimension of the first mold from the dimension of the architectural structure to obtain a remainder dimension;

accessing the library of molds to obtain the dimensional information of the second

15   mold;

using the remainder dimension, the minimum dimension of the second mold, and the maximum dimension of the second mold to calculate a required number of sections of the second selected embellishment and a dimension of each of the sections, wherein the dimension or each of the sections is: (i) greater than or

20   equal to the minimum dimension of the second mold, and (ii) less than or equal to the maximum dimension of the second mold, and wherein a sum of the dimensions of the sections is substantially equal to the remainder dimension.

20.   The method as recited in claim 16, further comprising:

generating a list of materials specifying the first and second molds, the required

number of sections of the second selected embellishment, and the calculated

5   dimension of each of the sections.

21. The method as recited in claim 16, further comprising:

generating a shop drawing illustrating the architectural structure, the first and second

selected embellishments, and a relative positioning of the first and second

selected embellishments with respect to the architectural structure.

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22. The method as recited in claim 21, wherein the generating the shop drawing

comprises:

accessing a library of architectural structures to obtain a graphical representation of

the architectural structure;

10   accessing a library of molds to obtain graphical representations of the first and second

selected embellishments; and

using the graphical representation of the architectural structure and the graphical

representations of the first and second selected embellishments to generate an

image of the architectural structure and the first and second selected

15   embellishments, wherein the image indicates the relative positioning of the

first and second selected embellishments with respect to the architectural

structure.

23. A method for embellishing an architectural structure, comprising:

receiving information indicative of a dimension of the architectural

structure;

receiving information indicative of a plurality of embellishments of the architectural

structure along the dimension, wherein the plurality of embellishments

comprises a first embellishment having a fixed dimension and a second

embellishment having a variable dimension;

selecting a first mold to construct the first embellishment;

selecting a second mold to construct the second embellishment, wherein the

second mold has a minimum dimension and a maximum dimension; and

calculating, using the dimension of the architectural structure, dimensional

information of the first mold, and the minimum and maximum dimensions of

the second mold, a required number of sections of the second embellishment

and a dimension of each of the sections of the second embellishment, wherein

the dimension of each of the sections of the second embellishment is: (i)

greater that or equal to the minimum dimension of the second mold, and (ii)

less that or equal to the maximum dimension of the second mold, and wherein

the sum of the fixed dimension of the first embellishment and the calculated

dimensions of all of the sections of the second embellishment is substantially

equal to the dimension of the architectural structure.

24.   The method as recited in claim 23, further comprising:

receiving information indicative of a selected characteristic of the selected

embellishment.

5   25.   The method as recited in claim 24, wherein the selected characteristic of the selected

embellishment includes a color, a texture, a material, shape, and/or a cross sectional pattern.